

GILBERT ELECTRONICS, INC.

101 CHESTNUT STREET | JONESBORO, ARKANSAS 72401



FIRST CLASS

Mr. T. Nelson, Systems Cinsultant
Box 1546
Poughkeepsie, New York 12603

**HERE'S THE MATERIAL
YOU REQUESTED**

FLINTROL

FLYING INSECT CONTROL



GILBERT ELECTRONICS, INC.

101 CHESTNUT STREET | JONESBORO, ARKANSAS 72401 | TELEPHONE (501) 932-6262

September 17, 1968

Mr. T. Nelson, Systems Consultant
Box 1546
Poughkeepsie, New York 12603

Dear Mr. Nelson:

We are in receipt of your inquiry to Ram Meter Co. in Ferndale, Michigan concerning flying insect control equipment. The Ram Meter Co. has referred your inquiry to our company since they no longer manufacture this equipment and we do manufacture very similar units.

Flying insects can indeed be a problem and effective control is not the simple easy solution one would think ... however, many industries and institutions have found FLINTROL to be the only satisfactory answer.

Unlike insecticides and other poisons, the FLINTROL system is all electric and is at work continuously and safely around the clock ... no mess, no bother ... just at work.

FLINTROL units are, this very minute, attracting and disposing of flies and other noxious flying insects for ...

Campbell Soup Company
Parke, Davis & Company
The Great Atlantic & Pacific Tea Co.
Merck Sharp & Dohme
Shedd-Bartush Foods Company

... to name just a few of the multi-plant companies we serve.

All of our customers are pleased with the completeness of control provided by their FLINTROL system.

Please use the attached work-sheet to tell us more about your flying insects ... that we may study your problem and recommend a way FLINTROL can solve it. For your satisfaction, too, is guaranteed.

Sincerely,

GILBERT ELECTRONICS, INC.

Don Gilbert,
President

sh

FLINTROL™

THE FLINTROL SYSTEM

The FLINTROL system is a highly efficient and proven method of flying insect control. It is a totally electric system which avoids the use of insecticides or other toxic or odorous chemicals.

Each of the various FLINTROL models consists of three basic elements: (1) a controlled-spectrum fluorescent light source which attracts flying insects; (2) an electrical grid section, charged with high voltage which electrocutes the insects upon contact; and (3) a removable tray to contain the insects and provide easy maintenance.

NOTE: A chemically treated insect often does not die at the place of contact with the chemical. The FLINTROL system eliminates the risk of product contamination from insects that have been chemically treated.

The FLINTROL system of flying insect control attains its high degree of effectiveness through the application of a carefully planned "zone defense" for progressive elimination.

There are different FLINTROL models for different specialized purposes including exterior all weather units. Various units are carefully selected and strategically located (depending on the area to be protected) for optimum performance. Each FLINTROL unit is dependent upon adjacent units to provide an effective zone defense.

TWO recently developed FLINTROL units (patent pending) of an escape proof design, are the first to be approved for use inside a processing area, and have received U.L. approval.

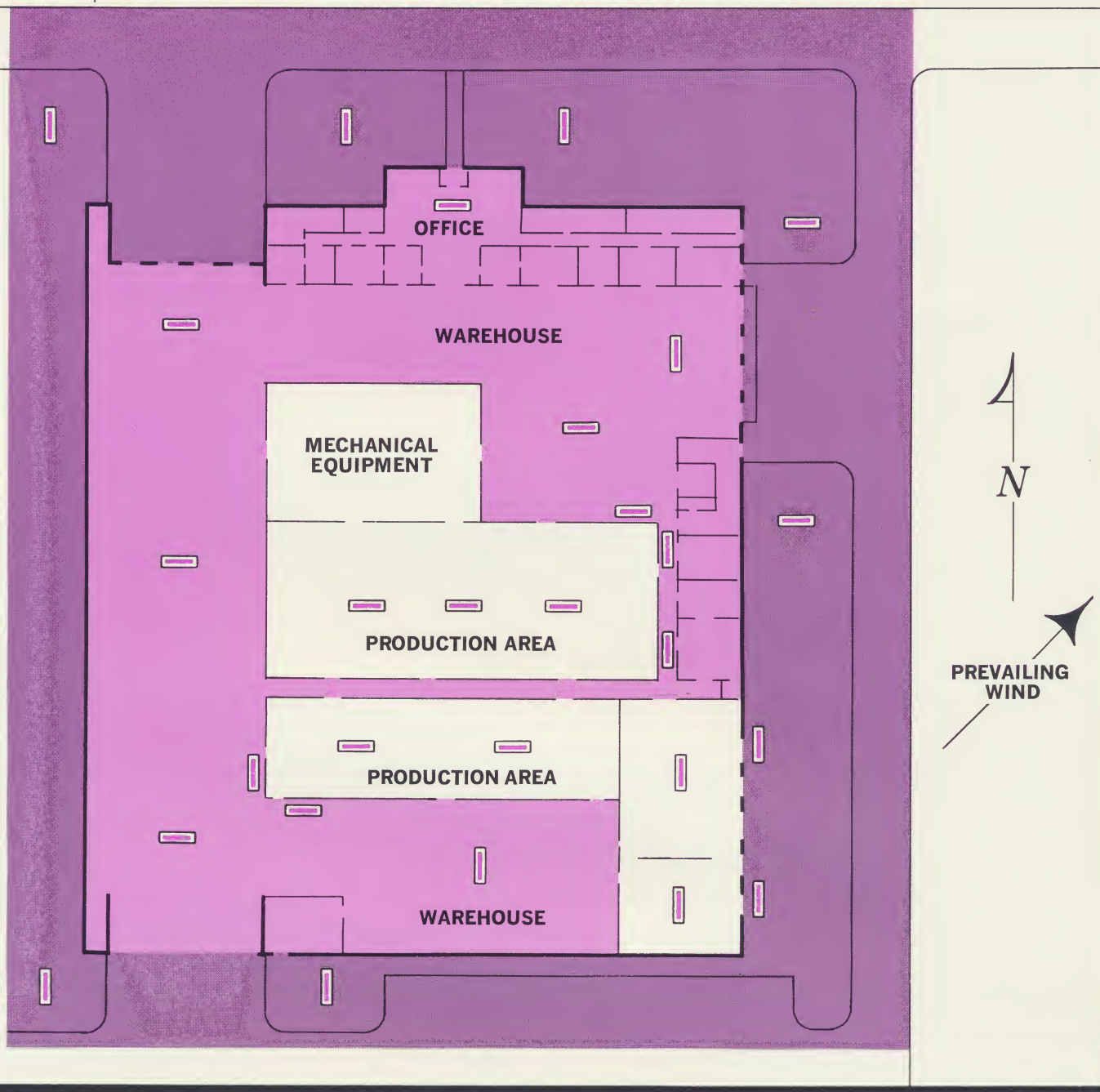
A FLINTROL system may be designed to protect against night-flying insects, including mosquitoes, solution of a fly-control problem, or both. Applications may be to eliminate product or packaging contamination, removal of employee discomfort, or solution of any other flying insect problems.

AN EFFECTIVE FLINTROL SYSTEM OF FLYING INSECT CONTROL CAN BE DESIGNED FOR ALMOST ANY AREA REGARDLESS OF LOCATION, NUMBER OF WINDOWS AND OTHER OPENINGS, OR SPECIES OF INSECTS.

FLINTROL service includes . . .

- (A) A survey of your facilities to determine the flying insect problem and requirements for satisfactory control.
- (B) A written proposal for a FLINTROL system, including details of installation and cost quotation.
- (C) A written guarantee that the system will perform to your satisfaction.
- (D) A five year guarantee against defects of parts and workmanship.

Installation of FLINTROL equipment is made by the purchaser. In general less than one hour of common labor is needed for installing each unit where electrical service is readily available.



Typical Plant Installation Showing Effectiveness Of Flintrol's Zone Defense System

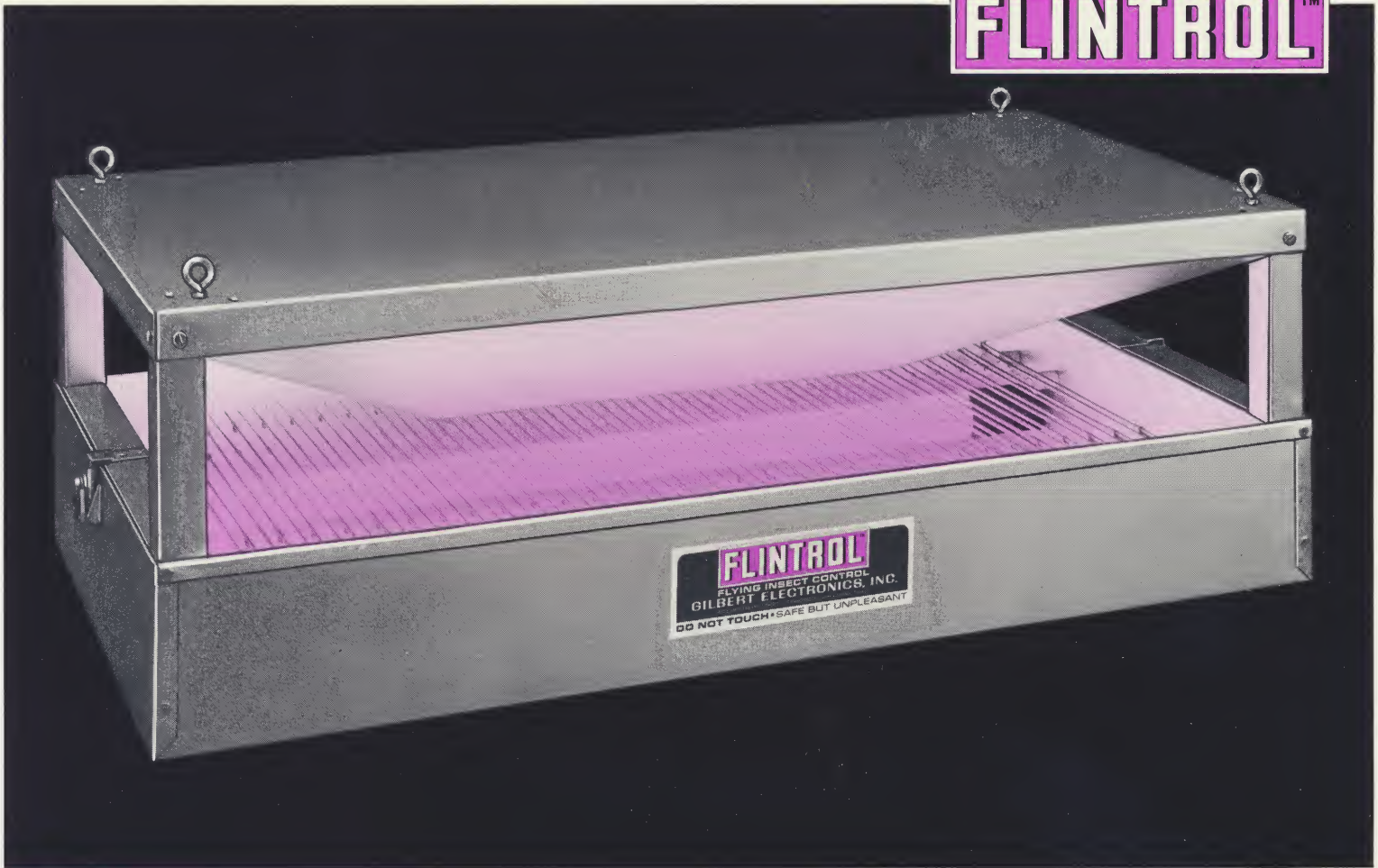
The FLINTROL system of flying insect control attains its high degree of effectiveness through the application of a carefully planned "zone defense" for progressive elimination.

The drawing above illustrates this concept, showing how a typical plant is divided into defense zones with various FLINTROL models strategically located for optimum effectiveness.

An innovation in effectiveness of this type of system has occurred with the introduction of two new escape-proof FLINTROL units (patent pending) for use inside the actual production areas (U.L. approved).

-  **FLINTROL UNITS** Showing strategic location of various FLINTROL units to achieve maximum effectiveness.
-  **EXTERIOR PERIMETER ZONE** Destroys approximately 80% of nocturnal flying insects that could enter building.
-  **INTERIOR PERIMETER ZONE** Provides approximately 90% kill of the flying insects entering building. Thus Exterior and Interior perimeter zones together provide 95 to 98% effective control.
-  **PRODUCTION AREA ZONE** Any flying insects escaping the two perimeter defense zones into the production area will be captured by the equipment inside this area. The time required and the efficiency of total control is relative to the number and placement of units in the system.

Manufactured by **GILBERT ELECTRONICS, INC.** JONESBORO, ARKANSAS 72401

FLINTROL™

PAT. PENDING

SPECIFICATIONS MODEL 224 (without protective guard—as shown) **MODEL 224-G** U.L. Approved (with protective guard as shown on Model 924)



APPLICATION: Escape-proof design approved for use inside processing areas. Ceiling mounted.

ELECTRICAL DATA: Operates from standard 120 volt, 60 cycle A.C. power supply. Transformer secondary output is 3000 volts at 9 milliamperes. Transformer design is true-current limiting, high reactance type with insulated secondary and is shunt protected against overload. A 500 mmfd-20 KV capacitor boosts discharge to 4000 volts for more effective "kill", a shorter duration of "arcing", and quicker release of insect. Normal operating current load is 0.6 amps. with maximum of 1.19 amps. A post-type 3 amp. fuse with neon indicator protects all circuits. A micro switch cuts off all circuits, when tray is removed. Charged grid is safe to touch, but unpleasant. Unit is equipped with two 20 watt controlled-spectrum fluorescent tubes.

CONSTRUCTION: Anodized aluminum, including electrical grids. Model 224-G has protective guard and is U.L. Approved.

DIMENSIONS: 29½" x 16½" x 9½". Shipping weight

30 lbs. Individually packed in sturdy shipping carton.

GUARANTEE: All components, except fluorescent tubes, guaranteed five years.

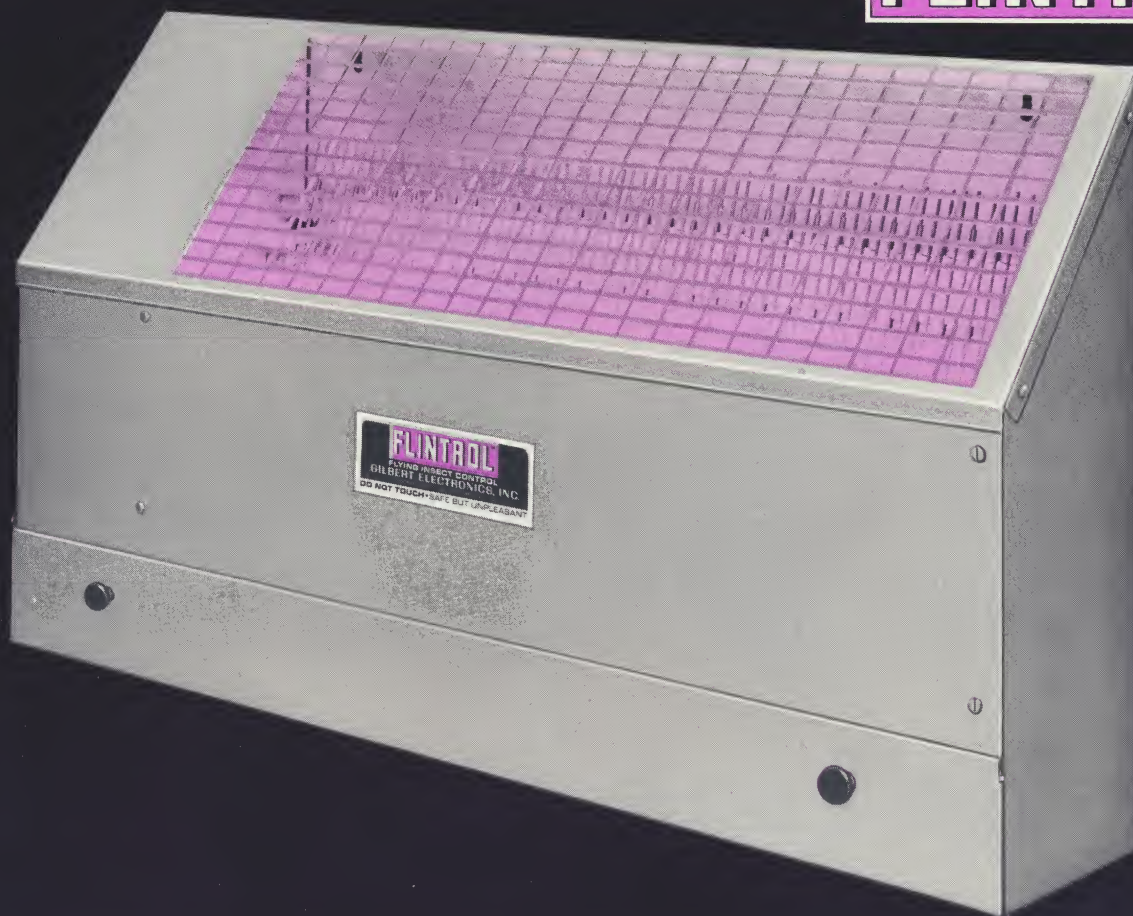
EFFECTIVE RANGE: The diffusion of the light energy provides a positive attraction to most species of flies within a radius of 28 feet. The effective range is greater for small nocturnal insects.

INSTALLATION: Remove cover plate and install on ceiling near an electrical outlet. Insert grid unit into cover plate and anchor with eight screws. A three-wire cord with plug provides easy removal of unit for service or relocation.

MAINTENANCE: Observe grid action for voltage spark with insulated tool by shorting two grid wires (any place). Keep grid area clean. Replace controlled-spectrum fluorescent tubes annually *with the same brand and number*. Empty accumulated insects from tray as needed. A microswitch will cut off all circuits as tray is removed.

Specifications subject to change without notice.

Manufactured by **GILBERT ELECTRONICS, INC.** JONESBORO, ARKANSAS 72401

FLINTROL™

PAT. PENDING

SPECIFICATIONS MODEL 924 (U.L. Approved)



APPLICATION: Escape-proof design approved for use inside processing areas. Wall mounted.

ELECTRICAL DATA: Operates from standard 120 volt, 60 cycle A.C. power supply. Transformer secondary output is 3000 volts at 9 milliamps. Transformer design is true-current limiting, high reactance type with insulated secondary and is shunt protected against overload. A 500 mmfd-20 KV capacitor boosts discharge to 4000 volts for more effective "kill", a shorter duration of "arcing" and quicker release of insect. Normal operating current load is 0.6 amps. with maximum of 1.19 amps. A post-type 3 amp. fuse with neon indicator protects all circuits. A micro-switch cuts off all circuits, when either tray or protective guard is removed for ease of maintenance. Charged grid is safe to touch, but unpleasant. Unit is equipped with two 20 watt controlled-spectrum fluorescent tubes.

CONSTRUCTION: Cold-roll steel, plated, with aluminum paint finish. Aluminum electric grids. Also available in stainless steel (Model 924-S).

DIMENSIONS: 33" x 18" x 6". Shipping weight 32 lbs. Individually packed in sturdy shipping cartons.

GUARANTEE: All components, except fluorescent tubes, guaranteed five years.

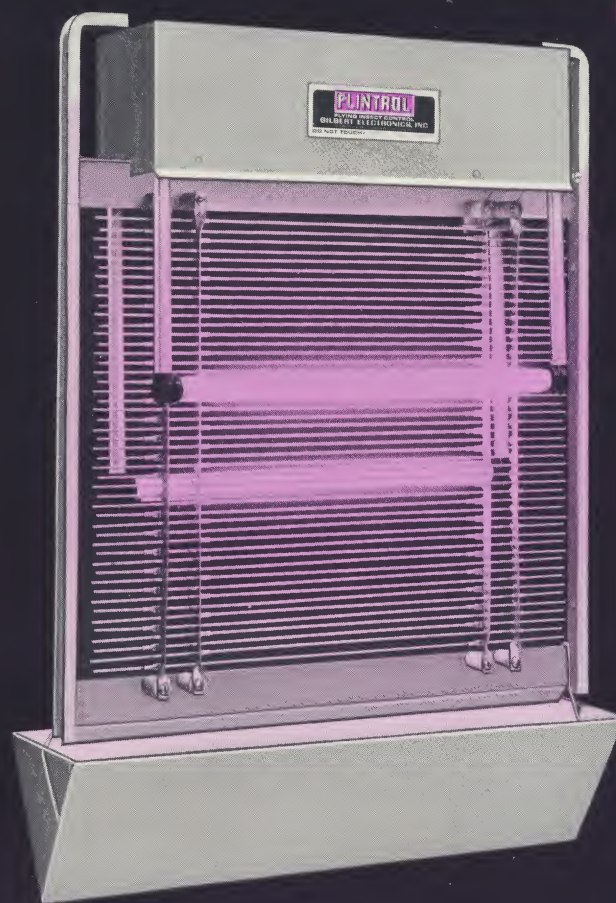
EFFECTIVE RANGE: Diffusion of the light energy from the controlled-spectrum fluorescent tubes provides a positive attraction to most species of flies within a radius of 28 feet. The effective range is greater for small nocturnal insects.

INSTALLATION: Attach to wall with two screws. Slotted holes make flush mounting easy. Plug-in 3 wire power cord is supplied for ease of location.

MAINTENANCE: Observe grid action for high voltage spark with insulated tool by shorting two grid wires (any place). Keep grid area clean. Replace controlled-spectrum fluorescent tubes annually with the same brand and number. Empty accumulated insects from tray as needed. Microswitch will cut off all circuits as tray or protective guard is removed.

Specifications subject to change without notice.

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FLINTROL™

SPECIFICATIONS MODEL 300

APPLICATION: For interior perimeter auxiliary use. May be either ceiling or wall mounted.

ELECTRICAL DATA: Operates from standard 120 volt, 60 cycle A.C. power supply. Transformer secondary output is 4000 volts at 10 milliamps. Transformer design is true-current limiting, high reactance type with insulated secondary and is shunt protected against overload. Normal operating current load is 0.6 amps. with maximum of 1.19 amps. A toggle switch cuts off all circuits for safety and convenience of maintenance. Unit is equipped with two 15 watt controlled-spectrum fluorescent tubes.

CONSTRUCTION: Steel with weatherproof aluminum paint finish. Aluminum electric grids.

DIMENSIONS: 28½" x 24½" x 6". Shipping weight 30 lbs. Packed in sturdy shipping cartons.

GUARANTEE: All components, except fluorescent tubes, guaranteed five years.

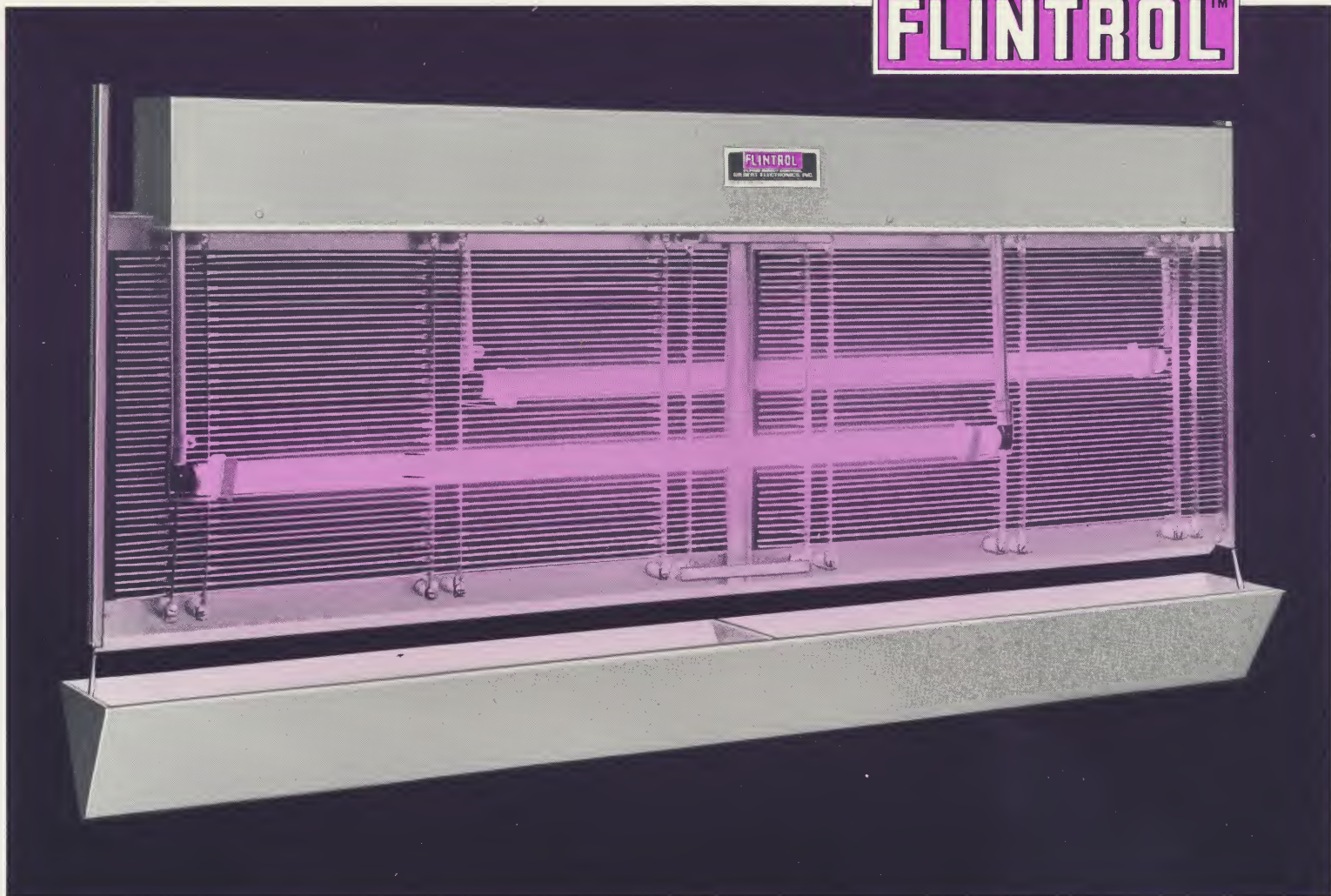
EFFECTIVE RANGE: The relative light energy output from the controlled-spectrum fluorescent tubes provides a positive attraction to most species of flying insects within a radius of 35 to 40 feet.

INSTALLATION: Suspend from ceiling or wall mounted bracket. A three-wire cord with plug provides easy removal of unit for service or relocation.

MAINTENANCE: Observe grid action for voltage spark with insulated tool by shorting to grid wires. Keep grid area clean. Replace controlled-spectrum fluorescent tubes annually with *same brand and number*. Empty accumulated insects from tray as needed. Use toggle switch to turn all circuits off prior to maintenance.

Specifications subject to change without notice.

Manufactured by **GILBERT ELECTRONICS, INC.** JONESBORO, ARKANSAS 72401

FLINTROL™

SPECIFICATIONS MODEL 500

APPLICATION: For interior use near loading docks and other large entry areas. Ceiling mounted.

ELECTRICAL DATA: Operates from standard 120 volt, 60 cycle A.C. power supply. Transformer secondary output is 4000 volts at 10 milliamps. Transformer design is true-current limiting, high reactance type with insulated secondary and is shunt protected against overload. Normal operating current load is 0.6 amps with maximum of 1.19 amps. A toggle switch cuts off all circuits for safety and convenience of maintenance. Unit is equipped with two 40 watt controlled-spectrum fluorescent tubes.

CONSTRUCTION: Steel with weatherproof aluminum paint finish. Aluminum electric grids.

DIMENSIONS: 26" x 74" x 6". Shipping weight 90 lbs. individually packed in sturdy shipping cartons.

GUARANTEE: All components, except fluorescent tubes, guaranteed five years.

EFFECTIVE RANGE: The relative light energy output from the controlled-spectrum fluorescent tubes provides a positive attraction to most species of flying insects within a radius of 70 to 80 feet.

INSTALLATION: Suspend from ceiling with small chain or wire, or from bracket mounted on side wall. Should be placed well out of reach to avoid accidental touching. A three-wire cord with plug provides easy removal of unit for service or relocation.

MAINTENANCE: Observe grid action for voltage spark with insulated tool by shorting to grid wires. Keep grid area clean. Replace controlled-spectrum fluorescent tubes annually with *same brand and number*. Empty accumulated insects from tray as needed. Use toggle switch to turn all circuits off prior to maintenance.

Specifications subject to change without notice.

Manufactured by **GILBERT ELECTRONICS, INC.** JONESBORO, ARKANSAS 72401

FLINTROL™

SPECIFICATIONS MODEL 450

APPLICATION: All weather unit for use in exterior perimeter defense zone. Post mounted.

ELECTRICAL DATA: Operates from standard 120 volt, 60 cycle A.C. power supply. Secondary output from each of two heavy duty transformers is 5000 volts at 30 milliamps. Transformer design is true-current limiting, high reactance type with insulated secondary and is shunt protected against overload. Normal operating current load is less than 2 amps. with maximum of 4 amps. A toggle switch cuts off all circuits. Unit is equipped with two 40 watt controlled-spectrum fluorescent tubes.

CONSTRUCTION: Steel with weatherproof aluminum paint finish. Aluminum electric grids.

DIMENSIONS: 40" x 54" x 6". Shipping weight 100 lbs. Individually packed in sturdy shipping carton.

GUARANTEE: All components, except fluorescent tubes, guaranteed five years.

EFFECTIVE RANGE: The relative light energy output from the controlled-spectrum fluorescent tubes provides a positive attraction to most species of flying insects within a radius of 100 feet.

INSTALLATION: A 2" double strength iron pipe should be set in a 30" concrete foundation, with 10' of pipe above grade. The unit has a center pipe mounting sleeve that slips down over the 2" post.

MAINTENANCE: Observe grid action for voltage spark with insulated tool by shorting to grid wires. Keep grid area clean. Replace controlled-spectrum fluorescent tubes annually *with same brand and number*. Use toggle switch to turn all circuits off prior to maintenance.

Specifications subject to change without notice.

Manufactured by **GILBERT ELECTRONICS, INC.** JONESBORO, ARKANSAS 72401



SINGLE UNIT LIST PRICES

F.O.B. - Jonesboro, Arkansas

Effective July 1, 1968

Terms: 1% 10 days - Net 30 days.

Model 224	Open sides, as illustrated, <u>not U.L.</u> , patent pending.	\$188.00
Model 224-G	U.L. model includes guard, patent pending.	\$198.00
Model 924	Light Gray Enamel Finish, U.L. approved, patent pending.	\$198.00
Model 924-S	Stainless Steel, U.L. approved, patent pending.	\$240.00
Model 300	Complete w/tray & bracket, interior use, 4000V-10 M.A.	\$150.00
Model 350	Complete w/bracket, exterior use, 5000V-30 M.A.	\$160.00
T-300	Special wide catch tray ... <u>Optional extra</u> (22-1/2"x28"x6")	\$ 15.00
Model 500	Complete w/tray, interior use, 4000V-10 M.A.	\$300.00
Model 550	Complete w/tray, exterior use, 5000V-30 M.A.	\$310.00
T-500	Special wide catch tray ... <u>Optional extra</u> (70"x28"x6")	\$ 30.00
Model 450	Complete unit, 5000V-30 M.A., exterior use.	\$340.00
Model 800	Electric window screens, custom made, 3500V-10 M.A.	Priced on request

Parts Complete inventory on hand at all times. Complete listing will be mailed on request.

Specifications and prices subject to change without notice.

Note: Model No. 350 and Model No. 550 have same specifications as Model No. 300 and Model No. 500 respective ... except change to heavy duty transformers ... prevents grid overload for areas where large volume of insects contact grid simultaneous.

Manufactured by **GILBERT ELECTRONICS, INC.** JONESBORO, ARKANSAS 72401

To: GILBERT ELECTRONICS, INC. ... JONESBORO, ARKANSAS

From: NAME _____ TITLE _____
FIRM _____ ADDRESS _____
CITY _____ STATE _____ ZIP _____

Our Flying Insect Problem is Described Below:

1. TYPE OF FLYING INSECTS:

- ☐ House Flies ☐ Mosquitoes ☐ Gnats & Small Insects
☐ Fruit-Fly ☐ Moths & Beetles ☐ Other _____

2. Problem is during ... ☐ Daylight Hours ☐ Night-Time

3. Flying Insect Problem is related to ...

- ☐ Employee Discomfort ☐ Product Quality Control ☐ _____

4. Present methods of control are ☐ None ... or
(describe) _____

5. Our need for better flying insect control is ... ☐ Immediate ☐ Long-range

6. Total Plant Area to be controlled _____ sq. ft.
Production Areas include _____ sq. ft.

7. ☐ We enclose a floor plan showing partitions, exits and dimensions of
rooms ... critical areas are marked.

☐ Sketched floor plan on back of this sheet.

Please suggest the locations, models and cost of FLINTROL equipment needed to maintain effective control. I understand there is no charge for this service and I am under no obligation.

DATE

SIGNATURE

BUSINESS REPLY MAIL
NO POSTAGE STAMP NECESSARY IF MAILED IN THE UNITED STATES

FIRST CLASS
PERMIT NO. 217
JONESBORO, ARK.

POSTAGE WILL BE PAID BY

GILBERT ELECTRONICS, INC.
101 CHESTNUT STREET | JONESBORO, ARKANSAS 72401